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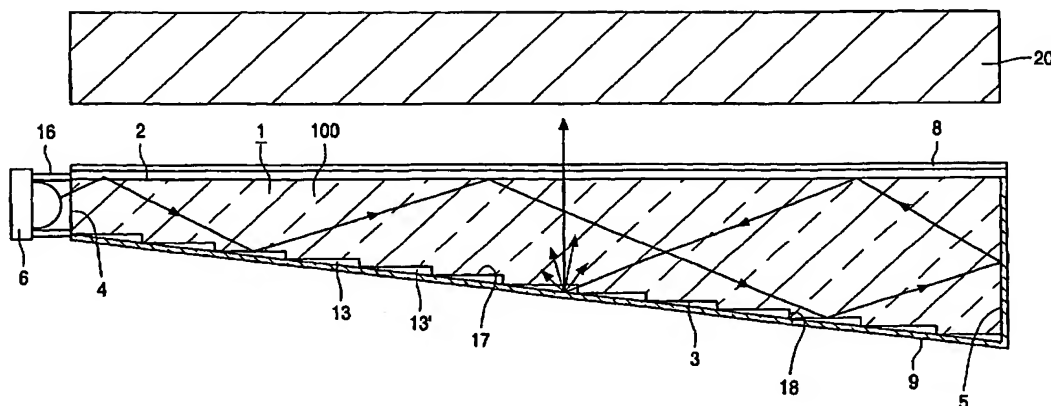
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(54) Title: COMPACT LIGHTING SYSTEM AND DISPLAY DEVICE



(57) Abstract: A compact backlight system has a light-emitting panel (1) with a front wall (2), a rear wall (3) situated opposite thereto, and furthermore, between the front and the rear wall (2, 3), a first edge surface (4) and, opposite thereto, a second edge surface (5). A first light source (6) is associated with the first edge surface (4) which is light-transmitting. According to the invention, the light-emitting panel (1) widens over a widening section (100) from the first edge surface (4) in a direction towards the second edge surface (5), and the rear wall (3) is provided over the widening section (100) with a multiplicity of steps (13, 13', ...) of which a surface (17) facing the front wall (2) is substantially parallel to the front wall (2). Preferably, the ratio of the surface area S_1 of the first edge surface (4) and the surface area S_2 of the second edge surface (5) ranges from $1.5 < S_2/S_1 < 3$.

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INTERNATIONAL SEARCH REPORT

Int. Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/00 F21V5/02 G09F13/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F21V G02B G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 359 691 A (TAI CHEN-YU ET AL) 25 October 1994 (1994-10-25) abstract column 1, line 15 -column 1, line 20 column 1, line 45 -column 1, line 48 column 4, line 45 -column 5, line 32 column 10, line 20 -column 10, line 48 column 11, line 4 -column 11, line 30 column 12, line 21 -column 12, line 35 column 13, line 1 -column 13, line 15 figures 1-16	1-16
A	US 5 854 872 A (TAI CHEN-YU) 29 December 1998 (1998-12-29) abstract figures 1,2,9	1-16

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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